



Date 19/09/2013

BABT FCB  
Forsyth House,  
Churchfield Road,  
Walton-on-Thames,  
Surrey,  
KT12 2TD

Regarding NovAtel Inc. SMART6 & AGSTAR Product Variants:

The SMART6 and AGSTAR will be available to NovAtel's customers as two products with different models dependent on the option requested by the customer.

**All product variants use the same Bluetooth Radio design and implementation.**

The main similarities and differences between variants are:

Enclosure Product No.	LMX9830 Bluetooth Radio	Interface & BT Radio PCB Assembly (Unpopulated)	Interface & BT Radio PCB Assembly (Populated)	GPS Assembly	Contains Tilt Sensor	As Tested by TUV
SMART6 01019120	Yes	17019083	01019115	OEM615 01018641	No	No
SMART6 01019126	Yes	17019083	01019083	OEM615 01018641	Yes	Yes
AGSTAR 01019128	Yes	17019083	01019118	OEMSTAR 01018668	No	Yes

The tilt sensor is a digital device connected to a SPI bus within the system, and is the only peripheral device connected to the SPI bus. With no tilt sensor populated, the SPI bus including clock is idled by the system processor with the effect of reducing emissions related to the operation of the tilt sensor device. There will be no detrimental effect on the Bluetooth radio emissions, immunity or functional performance introduced by removal of the tilt sensor.

The SMART6 and AGSTAR use different GPS assemblies. These assemblies have no effect on the Bluetooth Radio emissions, immunity or functional performance.

Sincerely,

Name: Roland Jackman  
Title: Team Lead - Hardware Design Verification  
Telephone Number: 403 295 4940  
Email: roland.jackman@novatel.com